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Established Maximum Residue Limit EMRL2008-36

Spirotetramat

(publié aussi en français)

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Under the authority of the *Pest Control Products Act*, Health Canada's Pest Management Regulatory Agency (PMRA) has granted full registration to technical grade spirotetramat and the end-use products Movento 240 SC Insecticide and Movento 150 OD Insecticide for use in Canada on tuberous and corm vegetables (Crop Subgroup 1C), leafy vegetables (Crop Groups 4 and 5), fruiting vegetables (Crop Group 8), cucurbit vegetables (Crop Group 9), pome fruits (Crop Group 11), stone fruits (Crop Group 12), small vine climbing fruits (Crop Subgroup 13-07F), tree nuts (Crop Group 14) and hops. See Appendix I for a list of crop group and subgroup commodities. The specific uses approved in Canada are detailed on the product labels of Movento 240 SC Insecticide and Movento 150 OD Insecticide, *Pest Control Products Act* Registration Numbers 28953 and 28954, respectively.

Corresponding maximum residue limits (MRLs) for spirotetramat were proposed in the consultation document published on 29 May 2008, Proposed Maximum Residue Limit PMRL2008-19, *Spirotetramat*. The PMRL also included proposed import MRLs for spirotetramat on citrus fruits (Crop Group 10; see Appendix I), citrus oil, dry bulb onions and strawberries to permit the import and sale of food containing these residues. The PMRA received no comments in response to this consultation.

To comply with Canada's international trade obligations, consultation on the proposed MRLs was also conducted internationally by notifying the World Trade Organization, as coordinated by the Standards Council of Canada. No comments were received as a result of the World Trade Organization consultation.

It should be noted that the English and French PMRL documents published on 29 May 08 did not correctly align the residue definitions with their corresponding commodities in Table 1. These have now been accurately aligned in the table below. In addition, the French PMRL proposed MRLs for pome fruits (0.7 ppm) and stone fruits (4.5 ppm) under the correct crop group number but the pome/stone fruits group names were reversed in Table 1, thereby creating a discrepancy with respect to the group name and number designation. This has now been corrected in the table of established MRLs in the French version of the EMRL document.

The following MRLs for spirotetramat are legally in effect as of the publication date of this document.

Established Maximum Residue Limits for Spirotetramat

Common Name	Residue Definition	MRL (ppm)	Food Commodity (CG = Crop Group; CSG = Crop Subgroup)
Spirotetramat	Spirotetramat (BYI08330): *cis*-3-(2,5-dimethylphenyl)-8-methoxy-2-oxo-1-azaspiro[4.5]dec-3-en-4-yl ethyl carbonate including the metabolites BYI08330-enol: *cis*-3-(2,5-dimethylphenyl)-4-hydroxy-8-methoxy-1-azaspiro[4.5]dec-3-en-2-one BYI08830-ketohydroxy: *cis*-3-(2,5-dimethylphenyl)-3-hydroxy-8-methoxy-1-azaspiro[4.5]decane-2,4-dione BYI08330-enol-Glc: *cis*-3-(2,5-dimethylphenyl)-8-methoxy-2-oxo-1-azaspiro[4.5]dec-3-en-4-yl β-D-glucopyranoside BYI08330-monohydroxy: *cis*-3-(2,5-dimethylphenyl)-4-hydroxy-8-methoxy-1-azaspiro[4.5]decan-2-one BYI08330-enol-GA: *cis*-3-(2,5-dimethylphenyl)-4-(β-D-glucopyranosyloxy)-8-methoxy-1-azaspiro[4.5]dec-3-en-2-one	10 9.0 8.0 6.0 4.5 3.0 2.5 1.6 1.3 0.7 0.6 0.4 0.3 0.25	Hops (dried) Leafy vegetables, except *Brassica* (CG 4) Leafy *Brassica* greens (CSG 5B) Citrus oil Stone fruits (CG 12) Raisins Fruiting vegetables (CG 8), head and stem *Brassica* (CSG 5A) Potato flakes Small fruit vine climbing, except fuzzy kiwifruit (CSG 13-07F) Pome fruits (CG 11) Citrus fruits (CG 10), tuberous and corm vegetables (CSG 1C) Strawberries Cucurbit vegetables (CG 9), dry bulb onions Tree nuts (CG 14)

Common Name	Residue Definition	MRL (ppm)	Food Commodity (CG = Crop Group; CSG = Crop Subgroup)
	Spirotetramat (BYI08330): *cis*-3-(2,5-dimethylphenyl)-8-methoxy-2-oxo-1-azaspiro[4.5]dec-3-en-4-yl ethyl carbonate including the metabolite BYI08330-enol: *cis*-3-(2,5-dimethylphenyl)-4-hydroxy-8-methoxy-1-azaspiro[4.5]dec-3-en-2-one	0.02 0.01	Fat, meat and meat byproducts of cattle, goats, horses and sheep Milk

MRLs for the listed crop groupings are established for each commodity included in the crop group or subgroup in accordance with Appendix I.

A complete list of all MRLs established in Canada can be found on the PMRA's MRL webpage.

Appendix I

Crop Groups/Subgroups: Numbers and Definitions

Crop Group Number	Name of the Crop Group	Food Commodities Included in the Crop Group
1C	Root and tuber vegetables: Tuberous and corm vegetables subgroup	Arracacha Arrowroot Cassava roots Chayote roots Chinese artichokes Chufa Edible canna Ginger roots Jerusalem artichokes Lerens Potatoes Sweet potato roots Tanier corms Taro corms True yam tubers Turmeric roots Yam bean roots

Crop Group Number	Name of the Crop Group	Food Commodities Included in the Crop Group
4	Leafy vegetables, except *Brassica*	Amaranth Arugula Cardoon Celery Celtuce Chinese celery Corn salad Dandelion leaves Dock Edible leaved chrysanthemum Endives Fresh chervil leaves Fresh Florence fennel leaves and stalk Fresh parsley leaves Garden cress Garden purslane Garland chrysanthemum Head lettuce Leaf lettuce New Zealand spinach Orach leaves Radicchio Rhubarb Spinach Swiss chard Upland cress Vine spinach Winter purslane
5A	*Brassica* (cole) leafy vegetables: Head and stem *Brassica* subgroup	Broccoli Brussels sprouts Cabbages Cauliflower Chinese broccoli Chinese mustard cabbages Kohlrabi Napa Chinese cabbages

Crop Group Number	Name of the Crop Group	Food Commodities Included in the Crop Group
5B	*Brassica* (cole) leafy vegetables: Leafy *Brassica* greens subgroup	Bok choy Chinese cabbages Broccoli raab Collards Kale Mustard greens Mustard spinach Rape greens
8	Fruiting vegetables	Bell peppers Eggplants Groundcherries Non-bell peppers Pepinos Pepper hybrids Tomatillos Tomatoes
9	Cucurbit vegetables	Balsam apples Balsam pears Cantaloupes Chayote fruit Chinese cucumbers Chinese waxgourds Citron melons Cucumbers Edible gourds (other than those listed in this item) Muskmelons (other than those listed in this item) Pumpkins Summer squash Watermelons West Indian gherkins Winter squash

Crop Group Number	Name of the Crop Group	Food Commodities Included in the Crop Group
10	Citrus fruits	Calamondins Citrus citron Citrus hybrids Grapefruits Kumquats Lemons Limes Oranges Pummelos Satsuma mandarins Tangerines
11	Pome fruits	Apples Crabapples Loquats Mayhaws Oriental pears Pears Quinces
12	Stone fruits	Apricots Nectarines Peaches Plumcots Plums Prune plums Sweet cherries Tart cherries
13-07F	Berries and small fruits: Small fruits vine climbing subgroup, except fuzzy kiwifruit	Amur river grapes Gooseberries Grapes Hardy kiwifruit Maypop Schisandra berries Cultivars, varieties and/or hybrids of these

Crop Group Number	Name of the Crop Group	Food Commodities Included in the Crop Group
14	Tree nuts	Almonds Beechnuts Black walnuts Brazil nuts Butternuts Cashew nuts Chestnuts Chinquapins English walnuts Filberts Hickory nuts Macadamia nuts Pecans Pistachios